Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	21664063	(@ad<"20011227") ((ball or balls or bump or bumps) adj (pad or pads))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 21:58
L7	8	("4807021" | "4918514" | "5214308" | "5216278" | "5220200" | "5233504" | "5250848" | "5334857").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/30 21:38
L8	67	("5598036").URPN.	USPAT	OR	OFF	2004/12/30 21:39
L9	2321	(@ad<"20011227") and ((ball or balls or bump or bumps) adj (pad or pads))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 21:59
L10	1735	L9 and (chip or die)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:23
L11	1734	L10 not "L56"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 21:59
L12	1735	L10 not "S56"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:33
L13	38231	(test or kgd) and (ball or balls or bump or bumps) and (substrate or board or pwb or pcb)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:00
L14	8509	L13 and solder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:00

L15	5982	L14 and (@ad<"20011227")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:23
L16	4909	L15 and (chip or chps or die or dies)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:00
L17	1061	L16 and (wire with (ball or balls or bump or bumps))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:00
L18	1611	L10 not L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:00
L19	346	L18 and (test or kgd)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:00
L20	19	("5736790").URPN.	USPAT	OR	OFF	2004/12/30 22:17
L21	111	(ADAPTER NEAR (BALL OR BUMP)) and (@ad<"20011227")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:30
L22	9	L21 and (chip or die)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:23
L23	180	257/784.CCLS. and (BALL OR BUMP or balls or bumps) and (@ad<"20011227") and (temporary or adaptor or adapter or kgd or good)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:35

L24	149	L23 not L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:35
L25	489	257/778.CCLS. and (BALL OR BUMP or balls or bumps) and (@ad<"20011227") and (temporary or adaptor or adapter or kgd or good)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:36
L26	429	L25 not L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:52
L27	401	L26 not L24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:36
L28	668	257/778.CCLS. and (BALL OR BUMP or balls or bumps) and (@ad<"20011227") and (temporary or test or adaptor or adapter or kgd or good)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 23:19
L29	429	L26 not L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:37
L30	429	L29 not L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:37
L31	574	L28 not L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:37

L32	343	257/780.CCLS. and (BALL OR BUMP or balls or bumps) and (@ad<"20011227") and (temporary or test or adaptor or adapter or kgd or good)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:52
L33	250	L32 not L31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:53
L34	196	L33 not L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 22:53
L35	32	("5810609").URPN.	USPAT	OR	OFF	2004/12/30 23:06
L36	0	("6316952").URPN.	USPAT	OR	OFF	2004/12/30 23:10
L37	13	("5475317" | "5533515" | "5716222" | "5746616" | "5796163" | "5810609" | "5831832" | "6020747" | "6043670" | "6046597" | "6046598" | "6086386" | "6094057").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/30 23:10
L38	367	324/755.CCLS. and (BALL OR BUMP or balls or bumps) and (@ad<"20011227")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 23:59
L39	463	324/765.CCLS. and (BALL OR BUMP or balls or bumps) and (@ad<"20011227")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 23:33
L40	312	L39 not L38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 23:59
L41	4	("6246249").URPN.	USPAT	OR	OFF	2004/12/30 23:48
L42	9	("4048438" | "5196726" | "5329423" | "5576630" | "5578934" | "5625298" | "5721496" | "5915977" | "5985682").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/30 23:49

L43	687	324/754.CCLS. and (BALL OR BUMP or balls or bumps) and (@ad<"20011227")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 23:59
L44	558	L43 not L39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/31 00:00
L45	495	L44 not L38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/31 00:00
S1	38231	(test or kgd) and (ball or balls or bump or bumps) and (substrate or board or pwb or pcb)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 17:59
S2	8509	S1 and solder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 17:55
S3	5982	S2 and (@ad<"20011227")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 17:56
S4	4909	S3 and (chip or chps or die or dies)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 17:58
S5	2822	S4 and "257"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 17:58

| S6 | 1061 | S4 and (wire with (ball or balls or bump or bumps)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/30 21:06 |
| S7 | 2 | (("6208027") or ("6387794")).PN. | USPAT | OR | OFF | 2004/12/30 18:11 |